Claim Amendments

Please amend claims 1, 14, 17, 23 and 24, and add new claims 25-27 as follows:

1. (currently amended) A method of concealing an error in a frame of a video sequence, the video sequence comprising at least a first scene and a second scene, the second scene having a scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of <u>scene transition</u> types, said method comprising:

<u>retrieving information indicative of type of scene transition from an encoded video bitstream for identifying the type of scene transition</u> ~~identifying the type of scene transition~~; and

applying in a decoding process an error concealment procedure to conceal an error in a frame belonging to the <u>scene</u> transition based on the identified type of scene transition.

2. (original) A method according to claim 1, wherein the identified type of scene transition is a scene cut.

3. (original) A method according to claim 2, wherein if a whole picture belonging to the scene cut is lost, the lost picture is not concealed.

4. (original) A method according to claim 2, wherein if part of a picture belonging to the scene cut is lost or corrupted, a spatial error concealment algorithm is applied to conceal the lost or corrupted part of the picture.

5. (original) A method according to claim 1, wherein the identified type of scene transition is a gradual scene transition.

6. (original) A method according to claim 5, wherein the scene transition is a fade.

7. (original) A method according to claim 5, wherein the scene transition is a dissolve.

8. (original)   A method according to claim 5, wherein the scene transition is a wipe.

9. (original)   A method according to claim 5, wherein if a whole picture belonging to the gradual transition is lost or corrupted, a spatio-temporal error concealment algorithm is applied to conceal the lost or corrupted part of the picture.

10. (original)   A method according to claim 5, wherein if part of a picture belonging to the gradual transition is lost or corrupted, a spatio-temporal error concealment algorithm is applied to conceal the lost or corrupted part of the picture.

11. (original)   A method according to claim 1, wherein information indicative of the identified scene transition is provided to a decoder in a supplemental enhancement information message so as to allow the decoder to conceal the error based on said information.

12. (original)   A method according to claim 11, wherein said information indicative of the identified scene transition includes an indication of a scene transition type.

13. (original)   A method according to claim 11, wherein said information indicative of the identified scene transition is provided for each frame belonging to the transition.

14. (currently amended)   A video encoding device for encoding a video sequence into an encoded video data stream, the video sequence comprising at least a first scene and a second scene and having a scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of scene transition types, said video coding device comprising:

>   an identifier module for identifying frames associated with the scene transition; and

>   a multiplexing module for providing information for use in a decoding process about the type of scene transition in the encoded video data stream.

15. (previously presented) A video encoding device according to claim 14, wherein said information is provided in a supplemental enhancement information message.

16. (previously presented) A video encoding device according to claim 15, wherein said information is provided for each frame belonging to the transition.

17. (currently amended) A video decoding device for decoding a video sequence from an encoded video data stream, the video sequence comprising at least a first scene and a second scene and having a scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of scene transition types, wherein said video decoding device is configured to receive the encoded video data stream, said video coding device comprising:

a demultiplexer module for retrieving information identifying the type of scene transition from the encoded video data stream, wherein the demultiplexer module is configured to provide the information indicative of the identified type of scene transition so as to allow an error concealment algorithm to conceal in a decoding process an error in a frame belonging to the transition based on the type of scene transition.

18. (previously presented) A video decoding device according to claim 17, wherein the type of scene transition is retrieved from a supplemental enhancement information in the encoded video data stream.

19. (original) A video decoding device according to claim 17, wherein the type of scene transition is a gradual scene transition and a whole picture belonging to the gradual scene transition is lost or corrupted, said error concealment algorithm comprising a spatio-temporal error concealment algorithm for concealing the lost or corrupted picture.

20. (original) A video decoding device according to claim 17, wherein the type of scene transition is a gradual scene transition and a part of a picture belonging to the gradual scene

transition is lost or corrupted, said error concealment algorithm comprising a spatio-temporal error concealment algorithm for concealing the lost or corrupted part of the picture.

21. (original) A video decoding device according to claim 17, wherein the type of scene transition is a scene cut and a part of a picture belonging to the scene cut is lost or corrupted, said error concealment algorithm comprising a spatial error concealment algorithm for concealing error in the picture.

22. (original) A video decoding device according to claim 17, wherein the type of scene transition is a scene cut and a whole picture belonging to the scene cut is lost or corrupted, said error concealment algorithm adapted to ignore the lost or corrupted picture.

23. (currently amended). A video decoding device for decoding a video sequence from an encoded video data stream, the video sequence comprising at least a first scene and a second scene and having a scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of scene transition types, said video decoding device comprising:

     means for receiving the encoded video data stream,

     means for retrieving information from the received encoded video data stream to identify the type of scene transition, and

     means for concealing in a decoding process an error in a frame belonging to the transition based on the information indicative of the identified type of scene transition.

24. (currently amended) A video encoding device for encoding a video sequence into an encoded video data stream, the video sequence comprising at least a first scene and a second scene and having a scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of scene transition types, said video coding device comprising:

     means for identifying frames associated with the scene transition; and

means for providing information for use in a decoding process about the type of transition in the encoded video data stream.

25. (new) A method for encoding a video sequence into an encoded video data stream, the video sequence comprising at least a first scene and a second scene and having a scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of scene transition types, said method comprising:

identifying frames associated with the scene transition; and

providing information for use in a decoding process about the scene transition type in the encoded video data stream.

26. (new) A method according to claim 25, wherein said information is provided in a supplemental enhancement information message.

27. (new) A method according to claim 25, wherein said information is provided for each frame belonging to the scene transition.